Disruption of the TWEAK/Fn14 pathway prevents 5-fluorouracil-induced diarrhea

Experimental Models of Inflammatory Bowel Diseases - NCBI
https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4435570/
1 Mar 2015 ... Disruption of the intestinal epithelial barrier and thereby the entry of luminal ... e.g. in SOD1 and Rag1−/− mice, indicating that effector cytokines produced by ... is followed by induction of DSS colitis or another type of chronic colitis. TWEAK/Fn14 pathway: a ... nonredundant role in intestinal damage in mice ...

5-Fluorouracil-Induced Changes of Intestinal Integrity Biomarkers in...
www.ncbi.nlm.nih.gov/pmc/articles/PMC4189444/ ...
BALB/c mice were divided into three experimental groups and subjected to the ... Symptom of diarrhea was also more severe in 280 mg/kg 5-FU treated group than ... while no effective means to prevent or treat mucositis has been suggested. ... A previous study suggested that hydrogen peroxide induced TJ disruption is ...

5-Fluorouracil induces diarrhea with changes in the expression of...
30 Jan 2013 ... 5-Fluorouracil induces diarrhea with changes in the expression of inflammatory cytokines and aquaporins in mouse intestines. Sakai H(1) ...

Su1851 Clinical Correspondence of S100 Levels on Full Thickness...
anothersample.net/su1851-clinical-correspondence-of-s100-levels-on-full-thickness-gastric-biopsy
Su1850 5-Fluorouracil-Induced Intestinal Injury Is Mediated by TWEAK/Fn14 and IL13 ... WT mice had severe diarrhea after 5-FU administration, while ... The TWEAK/Fn14 and IL-13 pathways may be potential targets to prevent intestinal side ...

Cell death at the intestinal epithelial front line - Delgado - 2015 - The...
onlineibrary.wiley.com/doi/10.1111/febs.13375/full
Name of journal: World Journal of Gastroenterology
ESPS Manuscript NO: 31616
Manuscript Type: Original Article

Basic Study

Disruption of the TWEAK/Fn14 pathway prevents 5-fluorouracil-induced diarrhea in mice

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Abstract

AIM

To clarify the roles of TWEAK and its receptor Fn14 in 5-fluorouracil (5-FU)-induced diarrhea.
Disruption of the TWEAK/Fn14 pathway prevents 5-fluorouracil-induced diarrhea

5-Fluorouracil induces diarrhea with changes in the expression of inflammatory cytokines and aquaporins in mouse intestines. Sakai H(1)

5-Fluorouracil-Induced Changes of Intestinal Integrity Biomarkers in... https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4169444/

BALB/c mice were divided into three experimental groups and subjected to the symptom of diarrhea was also more severe in 200 mg/kg 5-FU treated group than... while no effective means to prevent or treat mucositis has been suggested. A previous study suggested that hydrogen peroxide induced TJ disruption is ...

Cell death at the intestinal epithelial front line - Delgado - 2015 - The ... onlinelibrary.wiley.com/doi/10.1111/febs.13575/full

Nonetheless, in vivo microscopy studies of the small intestine in anesthetized mice... to inhibit IEC apoptosis and prevent epithelial barrier disruption [78, 142, 148]. Neutralization of TWEAK using a soluble Fn14 receptor substantially ...

Experimental Models of Inflammatory Bowel Diseases - ScienceDirect www.sciencedirect.com/science/article/pii/S2352345X15000405

However, treatment of TRUC mice with anti-TNF-α therapy prevents... induction of ER stress through disruption of Aβ1-42 small intestinal... and Rag1(−/−) mice, indicating that effector cytokines produced by innate cells are sufficient to... showing that inhibition of the Wnt pathway by the Wnt antagonist Dkk1 favors ...
5-Fluorouracil induces diarrhea with changes in the expression of ...
作者: H Sakai - 2013 - 被引用次数: 22 - 相关文章
2013年1月30日 - Although the mechanisms of 5-fluorouracil (5-FU)-induced diarrhea remain ... and AQPs in the intestines of mice with 5-FU-induced diarrhea.
缺少字词: tweak fn14 pathway prevents

5-Fluorouracil-induced changes of intestinal integrity biomarkers in ...
作者: MK Song - 2013 - 被引用次数: 4 - 相关文章
This study was conducted to determine 5-fluorouracil (5-FU) induced intestinal ... METHODS: BALB/c mice were divided into three experimental groups and ... Symptom of diarrhea was also more severe in 200 mg/kg 5-FU treated group than ...
缺少字词: tweak fn14 pathway prevents

intestinal tumors induced: Topics by Science.gov
www.science.gov/topicpages/i/intestinal+tumors+induced.html
The tumor-bearing mice were treated with abdominal radiation at 5 and 10 Gy, and with ... candidate for preventing radiotherapy-induced intestinal damage in cancer patients. ...... Diarrhea is a common dose-limiting toxicity associated with cancer ...... inducer of apoptosis (TWEAK)/fibroblast growth factor-inducible 14 (Fn14) ...

Translational Genomics Research Institute - Contributions
https://www.researchgate.net/institution/Translational_Genomics.../publications
...... rat and mouse skin using liquid chromatography-tandem mass spectrometry ...... and promotes TWEAK-Fn14-induced cell migration and invasion via TRAF2. ...... of a Pathogen: A Comparative Genomics Analysis Identifies a Genetic Pathway to ...... Nanoliposomal irinotecan with fluorouracil